

Welcome!

Gateway East
Washington Street (Route 9) and Walnut Street
Brookline | Project File No. 605110

DESIGN PUBLIC HEARING

Brookline Town Hall
April 26, 2017 | 7:00 PM

Introduction

- MassDOT Project Manager
 - Ammie Rogers
- MassDOT Right-of-Way
 - Craig Sheehan – Community Compliance Officer
- Town of Brookline
 - Peter Ditto – Director of Transportation and Engineering
 - Joe Viola – Assistant Director for Community Planning
- VHB
 - Laura Castelli
 - Tim McIntosh

Project Team



Municipality

Town of Brookline

Consultant Engineering Firm

VHB

MassDOT's Highway Division

Responsible for administering the Design Process and providing Resident Engineer Services

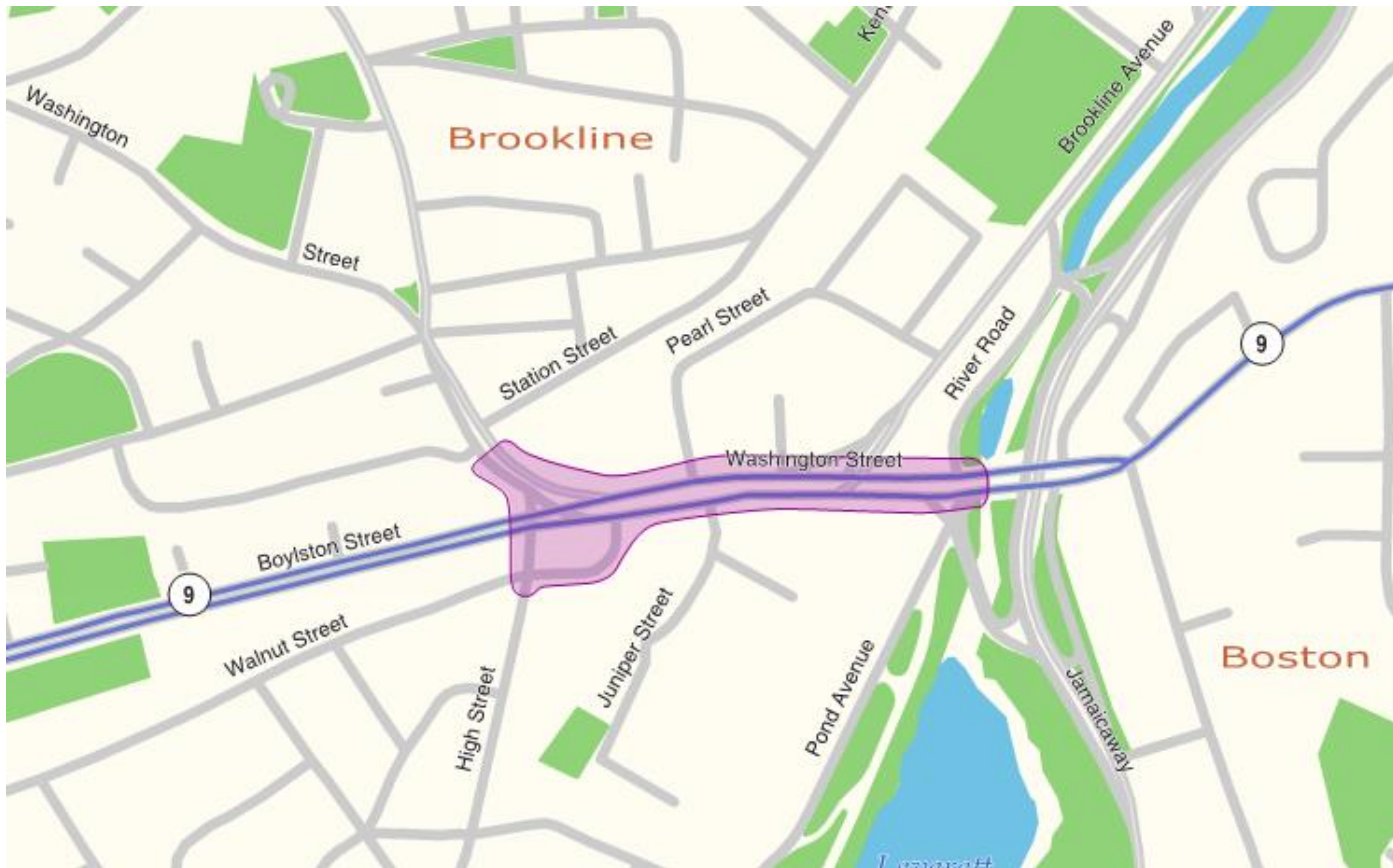
Federal Highway Administration

Responsible for Oversight

Agenda

- Project Area
- History of Public Outreach
- Existing Conditions
- Project Goals
- Scope of Work
- Description of Proposed Improvements
- Temporary Traffic Impacts
- Environmental Permitting
- Project Schedule
- Next Steps

Project Area



Brookline, Ma

Washington Street/High Street to River Road

History of Public Outreach

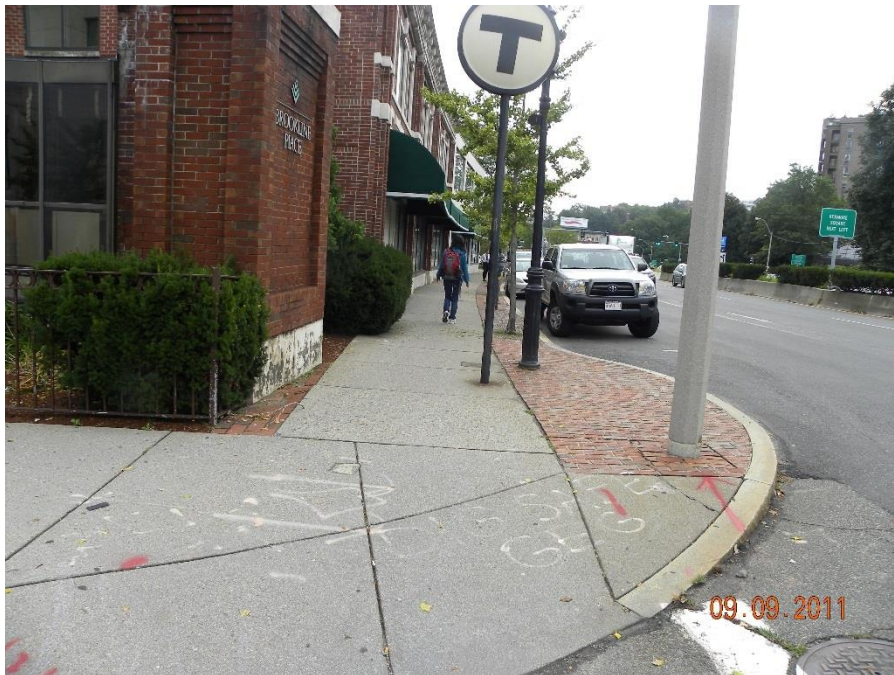
- Initial 25% plan submitted to MassDOT following Transportation Board and Board of Selectmen approval (January 2012)
- Town and MassDOT agree to review design elements of the Gateway East Plan before advancing project
- Two Public Information Meetings held - Dec 2014 and May 2015
- Transportation Board approval of revised concept - July 2015
- Board of Selectmen approval of revised concept – May 2016
- Revised 25% Design submitted in August 2016

**Why do we need
this project?**



Existing Issues - 1

- **Deficient Pedestrian Accommodation**
 - Need for connectivity to MBTA Station
 - Undesirable pedestrian mobility across Route 9
 - Insufficient pedestrian and vehicle clearance phases



Existing Issues - 2

- Existing pedestrian bridge closed due to structural deficiency limited pedestrian mobility *(Bridge has been removed)*



Existing Issues - 3

- Intersection safety concerns



Existing Issues - 4

- **Insufficient bicycle accommodation**
 - No dedicated connection to Emerald Necklace



Existing Issues - 5

- Lack of streetscape reinforces highway rather than village character

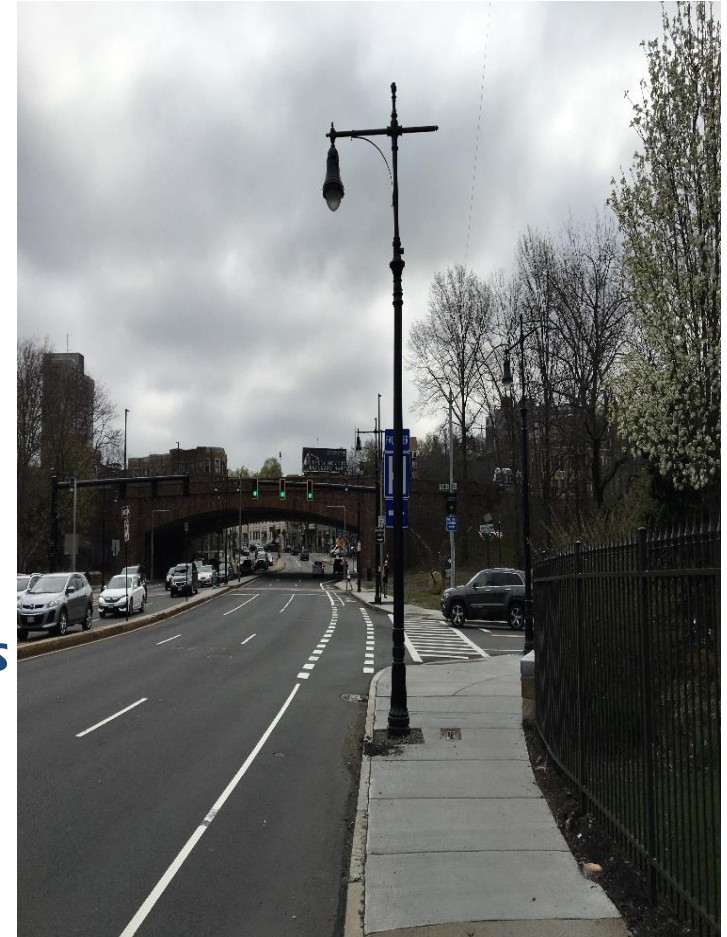


Project Goals

- Address the intersection safety concerns
- Reintroduce pedestrian connectivity, comfort and safety
- Introduce dedicated bicycle facilities: separated bicycle lanes
- Enhance connectivity between the Emerald Necklace, the Green Line Station and Brookline Village through:
 - Provision of separated bike lanes
 - Improved at-grade pedestrian / bicycle crossings
 - Realigning Walnut Street / Juniper Street with Pearl Street
- Improve landscape and streetscape amenities
 - Public spaces and visual character
 - Enhance street lighting

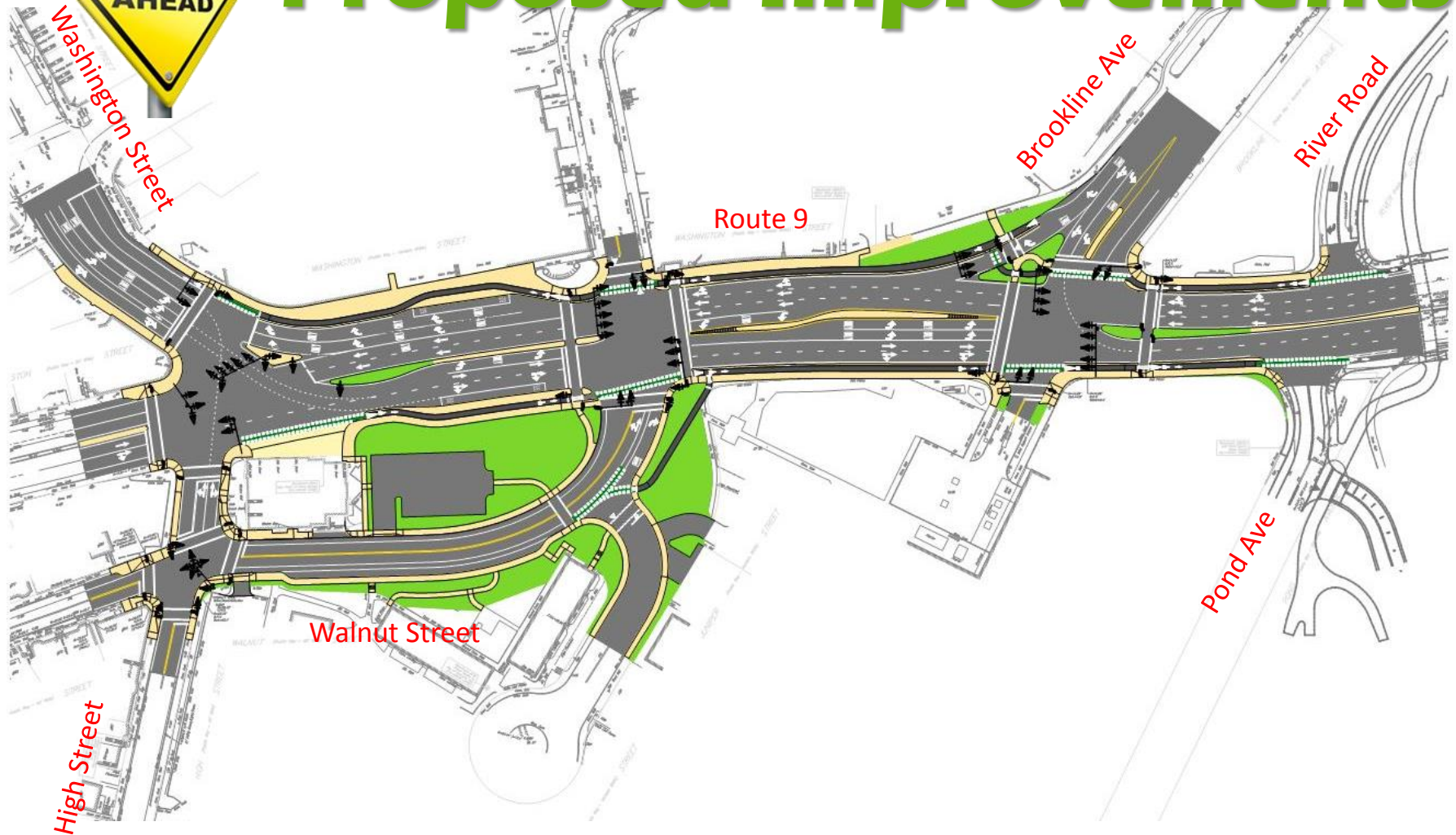
Project Scope

- Roadway and traffic signal improvements
- Realignment of Walnut Street
- Separated bicycle lanes and bicycle signals
- Floating bus stops
- Additional pedestrian crossings of Route 9
- Pavement and sidewalk improvements
- Landscape and Streetscape amenities
- Lighting
- Tie into Emerald Necklace crossing



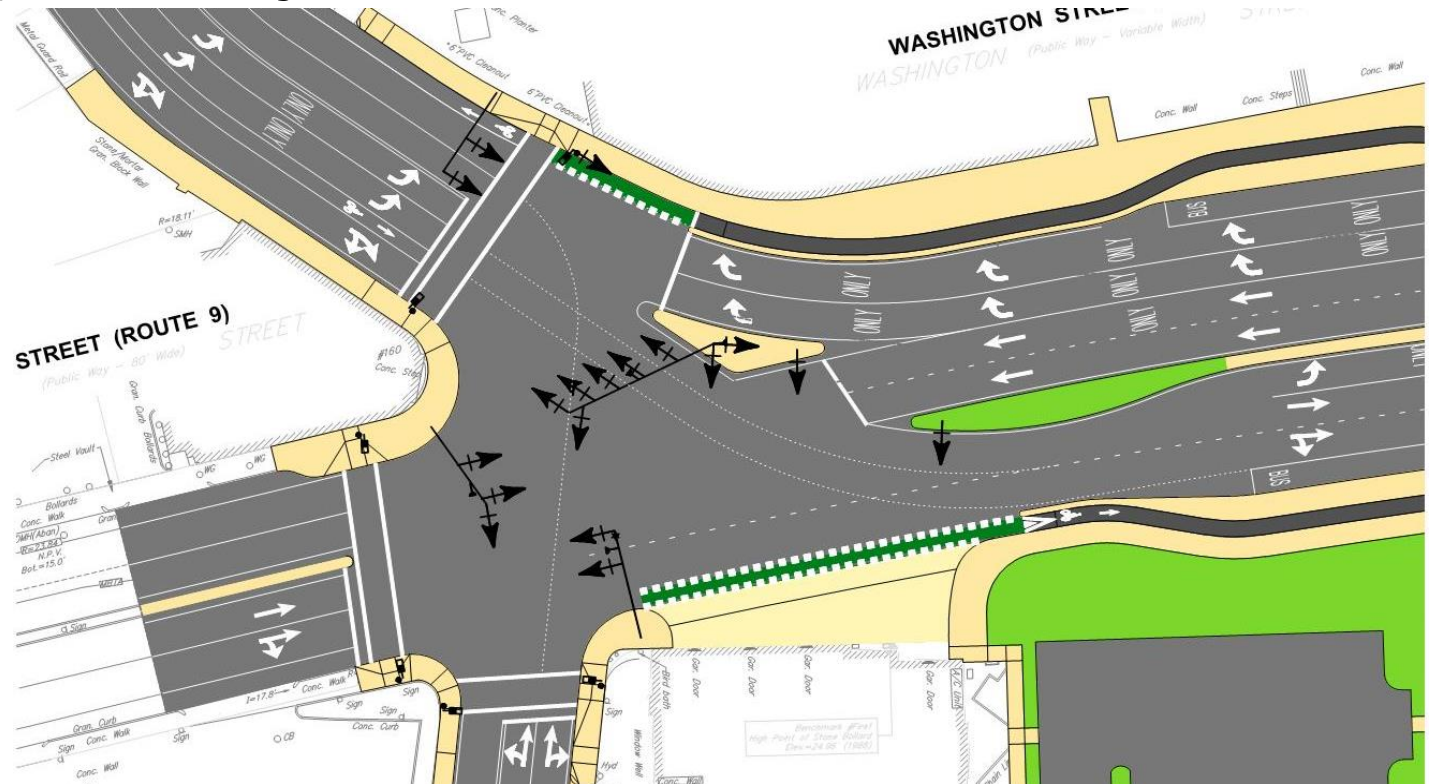


Proposed Improvements



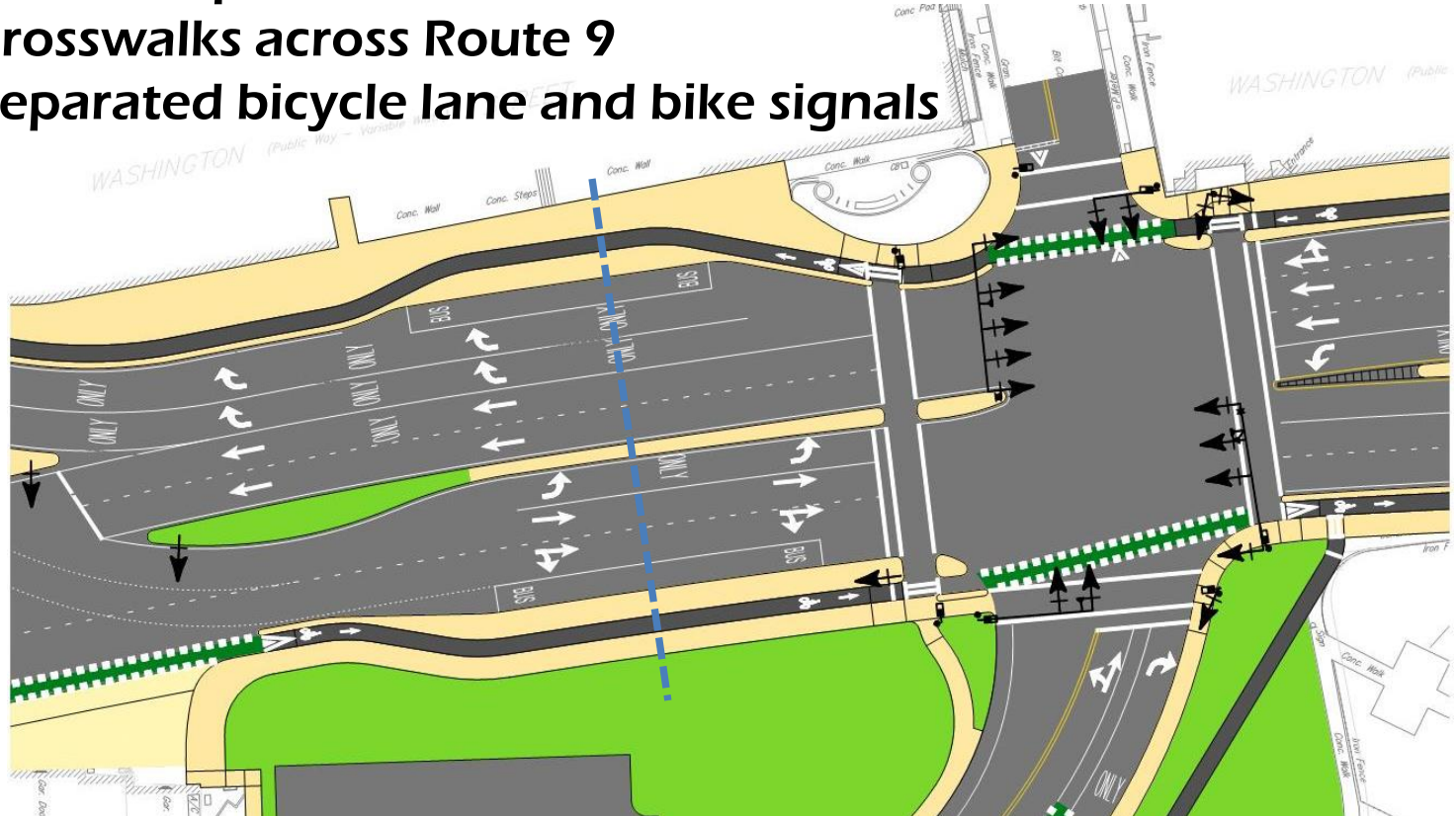
Washington Street / Route 9 / High Street

- Remove jersey barrier along Washington Street
- Increases yellow and red traffic signal clearance times to current standard
- Proposed bump-out on NW corner
- Proposed Separated Bicycle Lane at sidewalk level

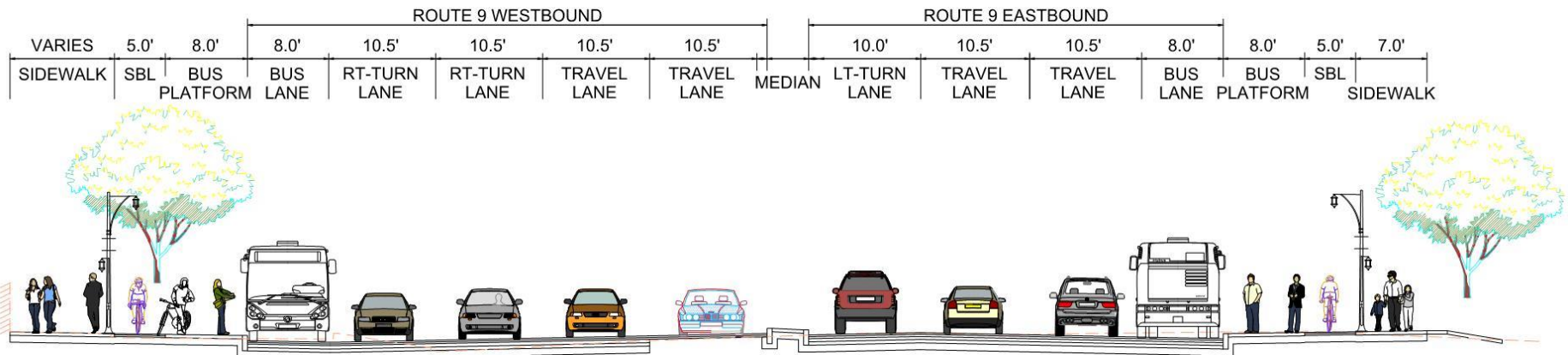


Route 9 / Pearl Street / Walnut Street

- Increases yellow and red traffic signal clearance times to current standard
- Raised intersection (Pearl Street)
- “Floating” bus stops
- Provide crosswalks across Route 9
- Provide separated bicycle lane and bike signals

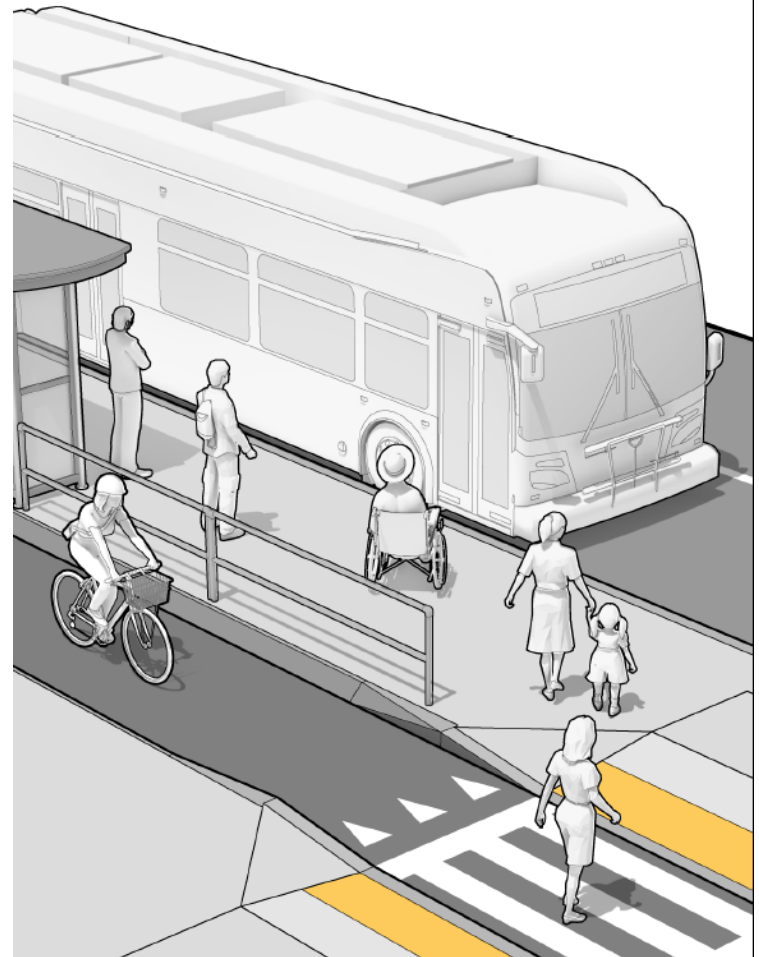


Route 9 (Floating Bus Stop) Roadway Cross Section



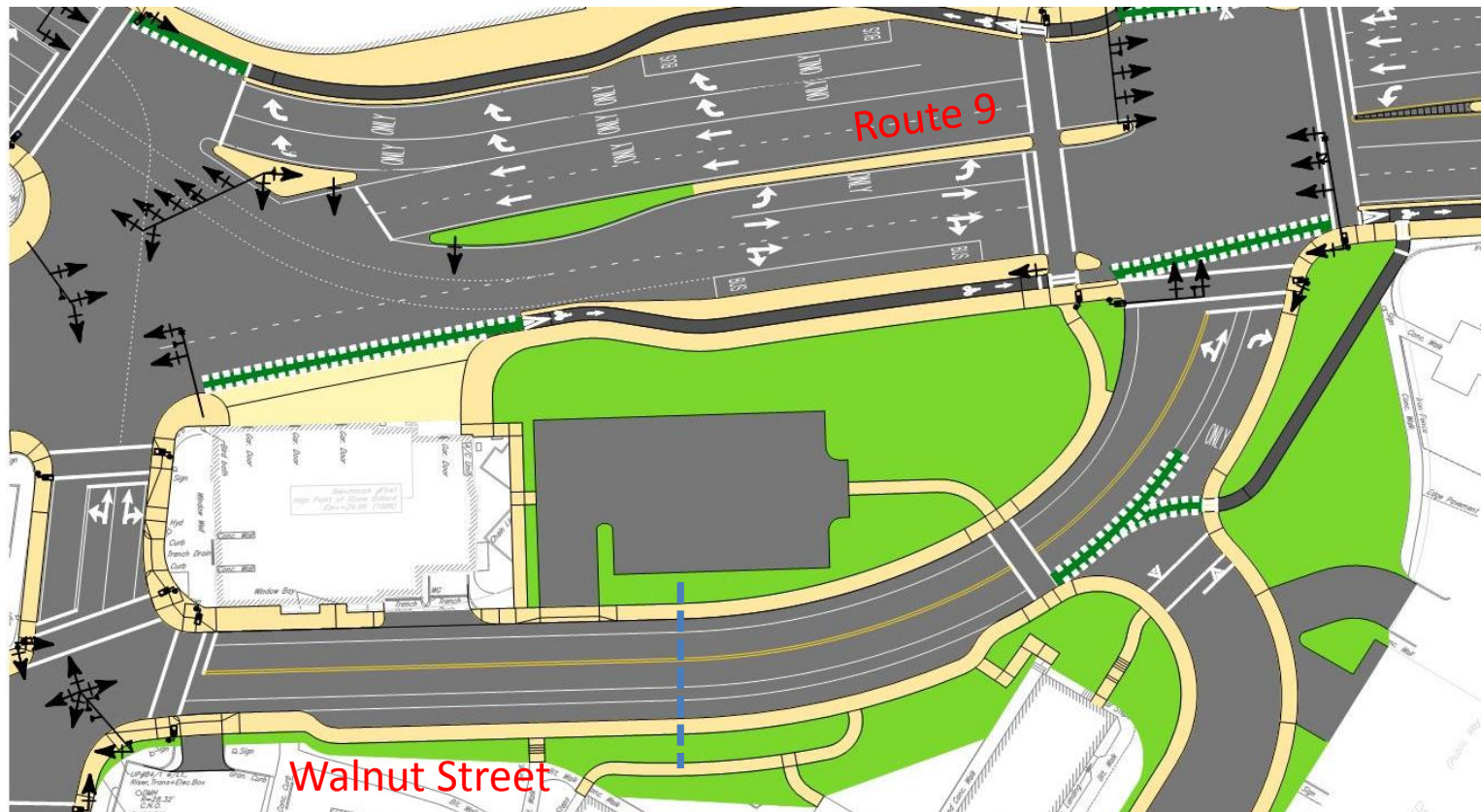
Sample Floating Bus Stop

Source: MassDOT's Separated Bike Lane Planning & Design Guide

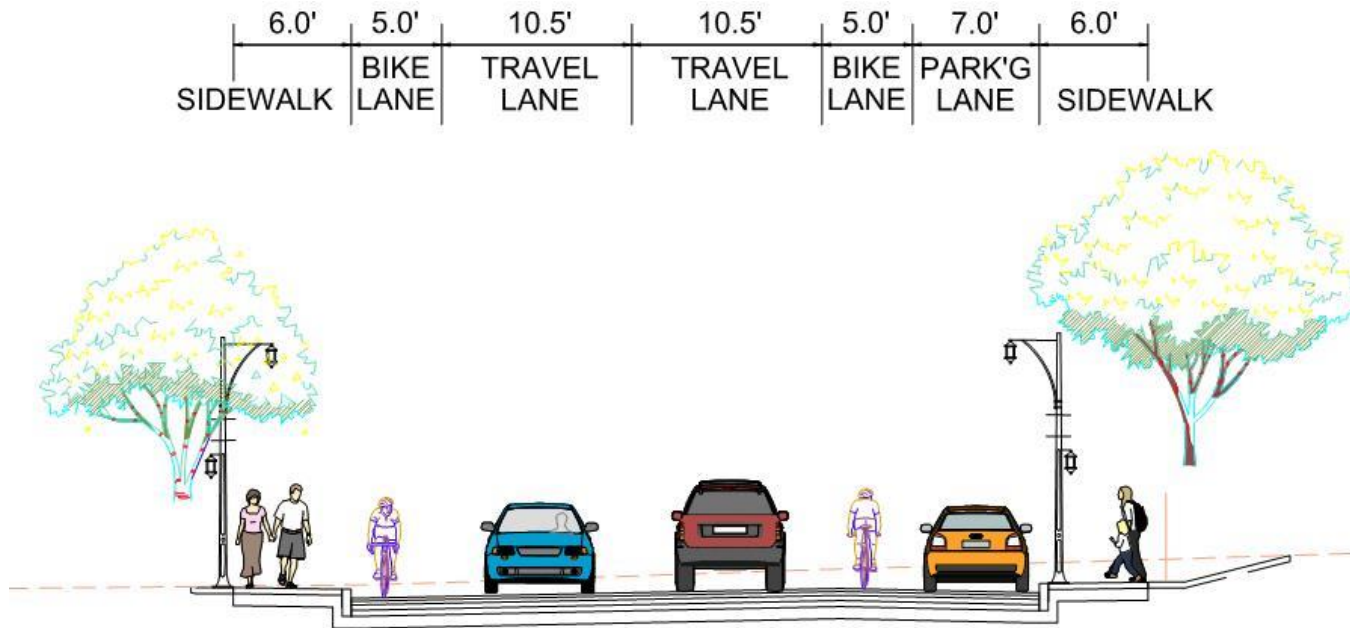


Walnut Street

- On-road bicycle accommodation
- Raised intersection at Juniper Street
- Off-road path connection to Route 9 eastbound
- Enhance residual green space for public and municipal uses



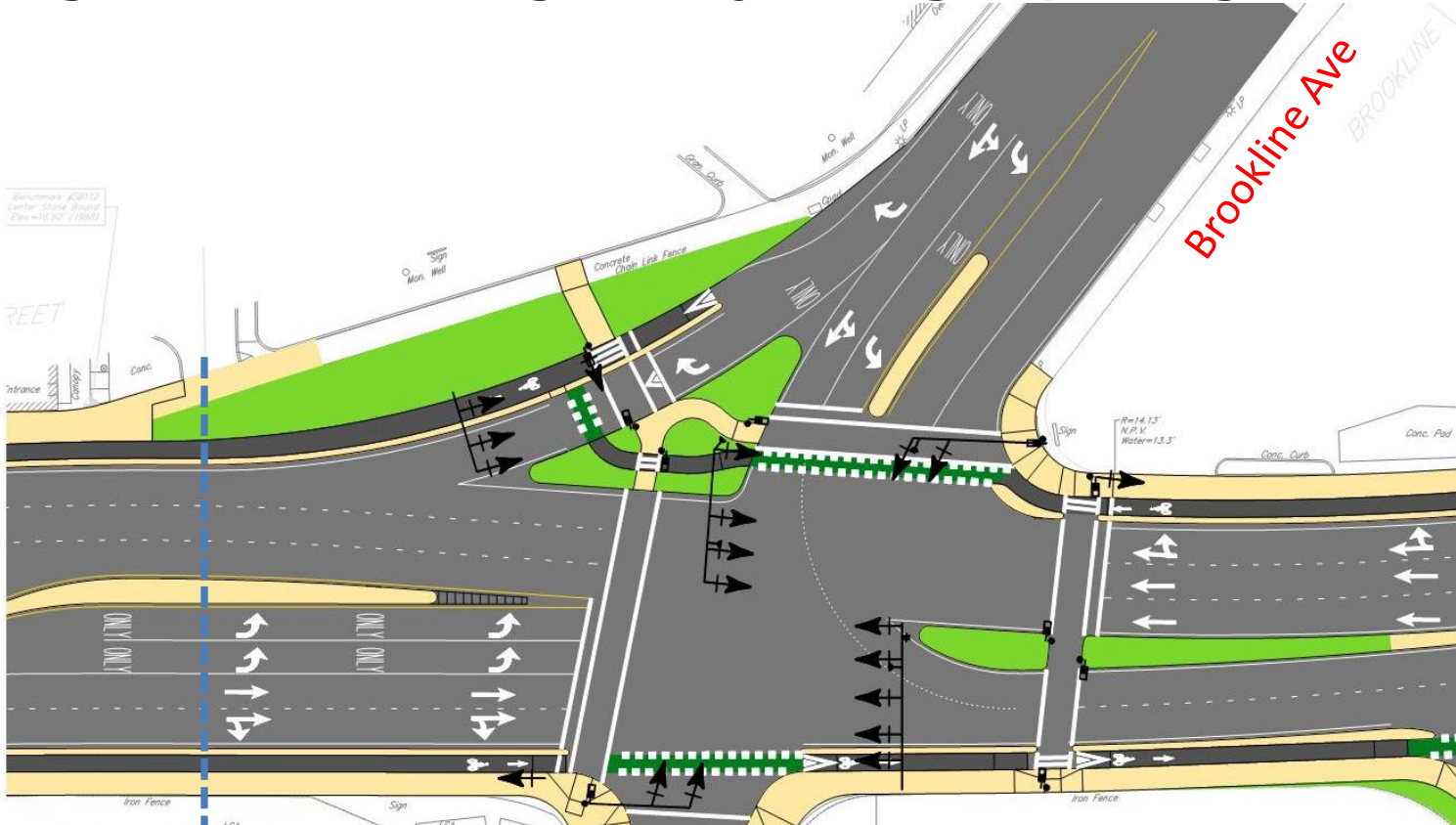
Walnut Street Roadway Cross Section



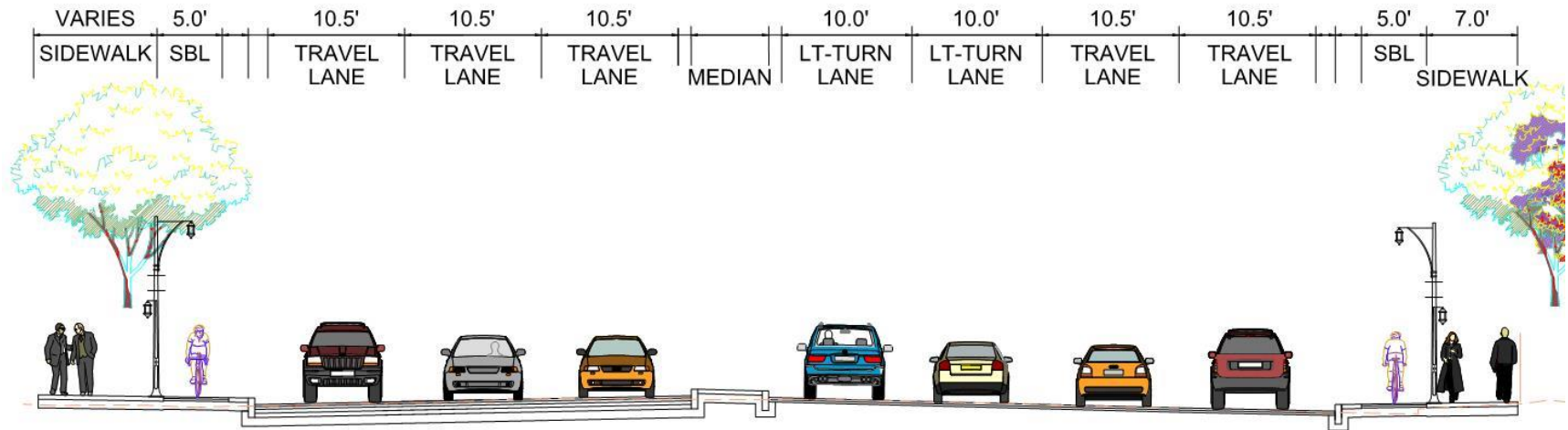
Route 9 at Brookline Avenue / Brook House

- Proposed separated bike lanes and bike signals
- Raised pedestrian / bike crosswalk
- Provide widened median across Route 9 east approach
- Changes to intersection geometry and signal phasing

Route 9

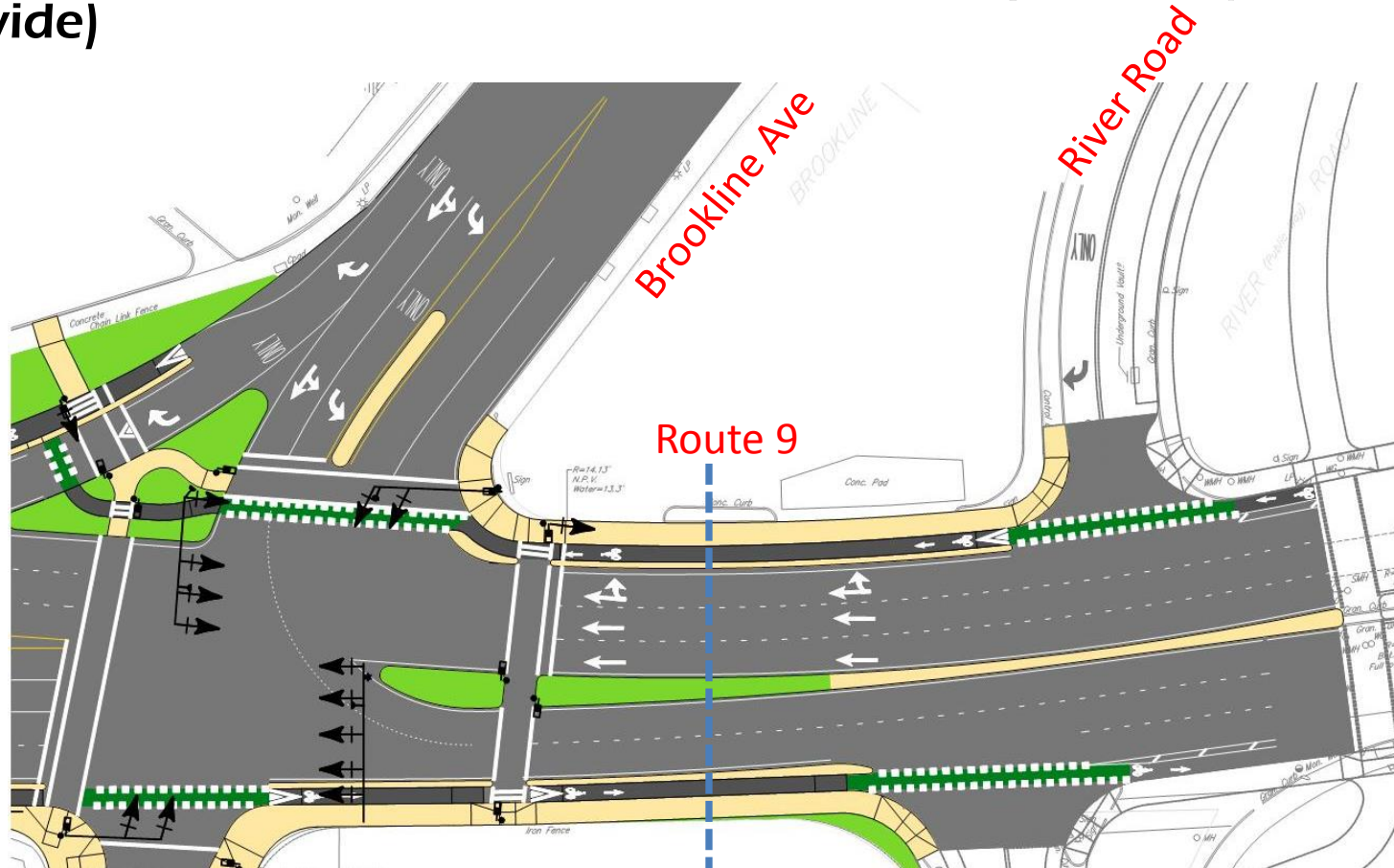


Route 9 (West of Brookline Avenue) Roadway Cross Section

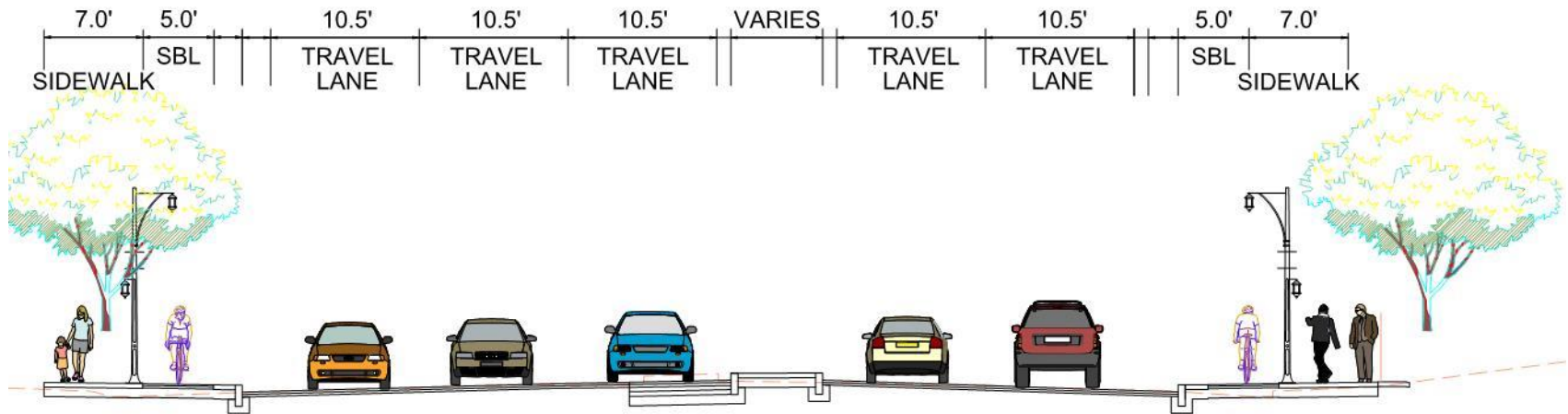


East of Brookline Avenue

- Incorporate protected bicycle facility at sidewalk level
- Raised speed tables on River Road and Pond Ave
- Placement of street trees and other landscape areas (corridor-wide)



Route 9 (East of Brookline Avenue) Roadway Cross Section



Example – Raised Speed Table



Project Schedule

**Revised 25% Design
Submittal**
August 25, 2016

100% Design Submittal
February 14, 2018

Design Public Hearing
April 26, 2017

**Advertisement
and Bidding**
Fall 2018



**How will traffic
be affected?**





ALERT: Traffic Impacts

- Temporary lane closures needed during construction
- Emergency access through work zones maintained
- Access to abutting properties shall be maintained at all times



Environmental Permitting



- **MEPA/NEPA**
 - ENF
 - CE Checklist
- **Section 106**
- **Notice of Intent /Order of Conditions**

Next Steps

- | | |
|--|-----------------------|
| • 75% Design | September 2017 |
| • Environmental Clearance | December 2017 |
| • 100% Design | February 2018 |
| • Final Plans, Specs, Estimate | June 2018 |
| • Secure Right of Way / Easements | July 2018 |
| • Advertise for Construction | August 2018 |
| • Anticipated Contractor NTP | November 2018 |

Estimated Construction Cost

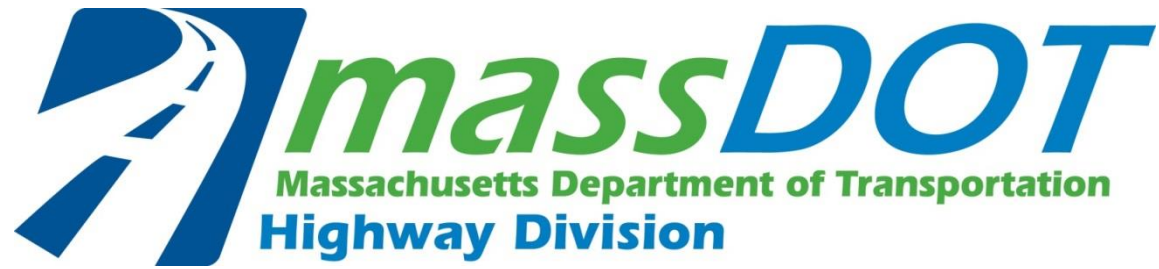
- Construction Cost Estimate * = \$7,934,000
- Funding Sources
 - Transportation Alternatives Program (TAP)
 - Surface Transportation Program (STP)
 - Congestion Mitigation and Air Quality Improvement Program (CMAQ)
 - Town of Brookline

* Including construction contingencies

Contact Information



- Mail-in comment sheets (included in pamphlet)
- Ammie Rogers, MassDOT Project Manager, ammie.rogers@state.ma.us, 857-368-8884
- Joe Viola, Town of Brookline, Assistant Director for Community Planning, jviola@brooklinema.gov, 617-730-2125
- Laura Castelli, VHB, Design Consultant, lcastelli@vhb.com, 617-924-1770
- Tim McIntosh, VHB, Design Consultant, tmcintosh@vhb.com, 617-924-1770



Thank You

Q&A

Gateway East

Washington Street (Route 9) and Walnut Street

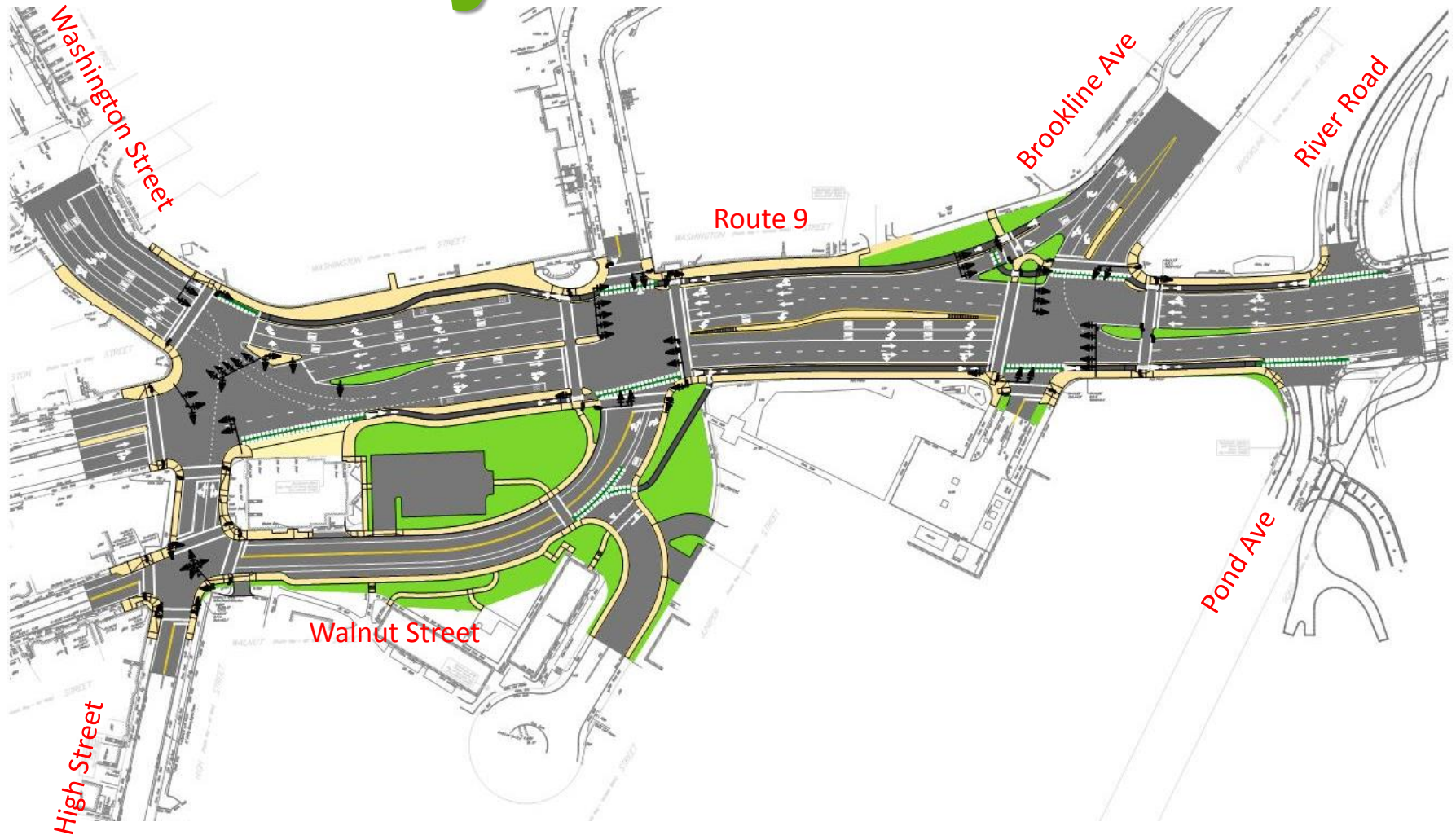
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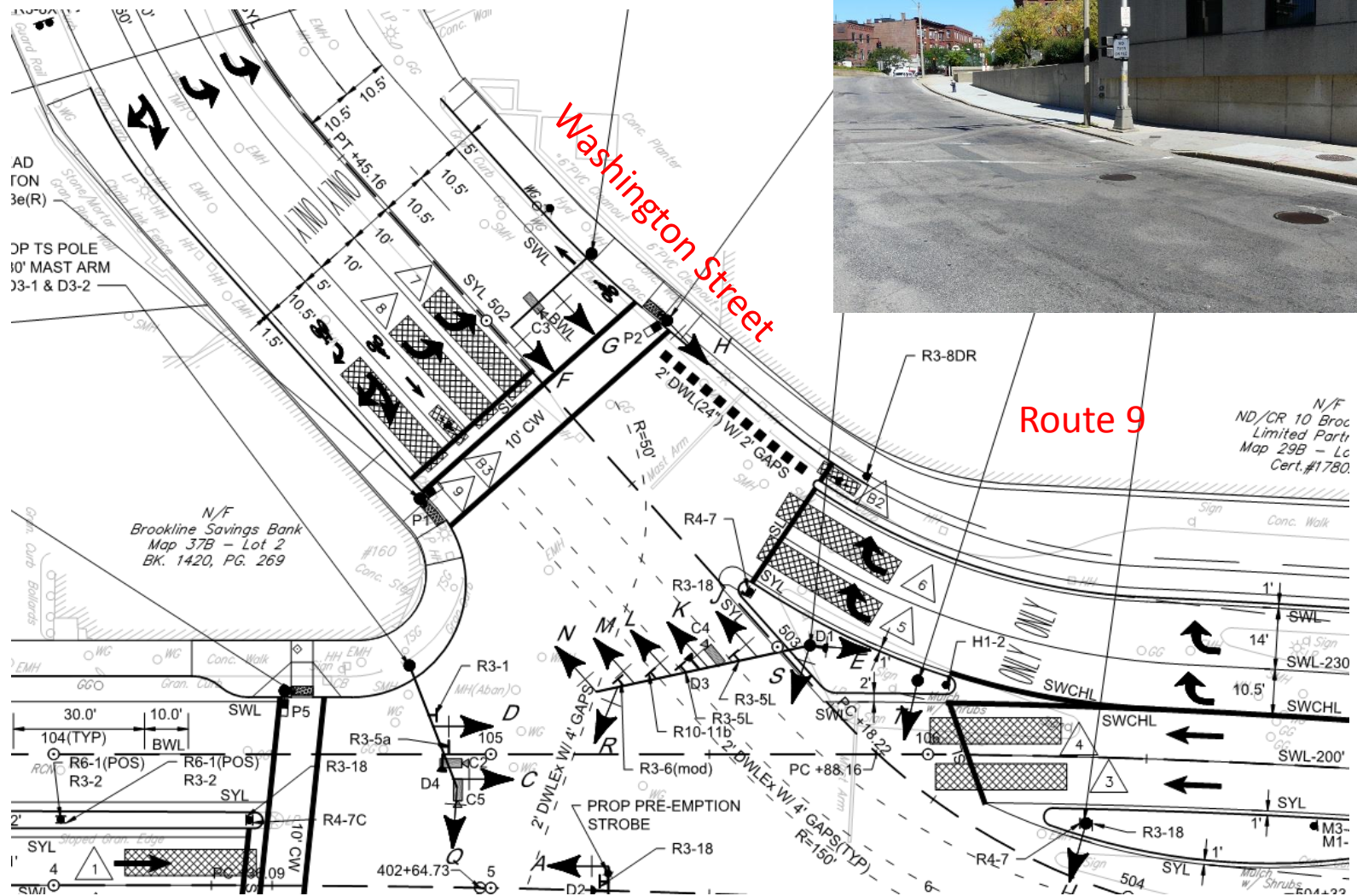
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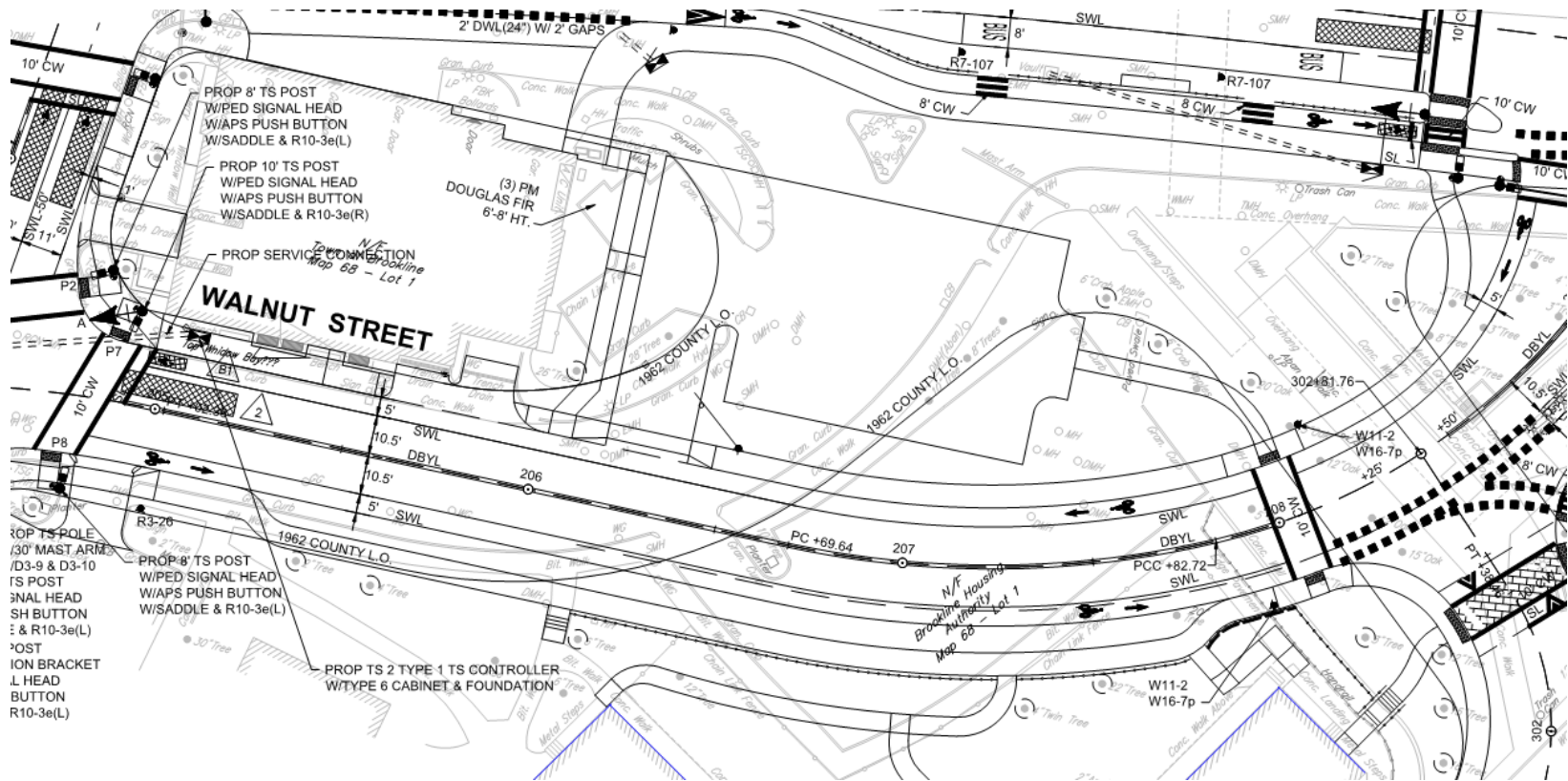
Gateway East – Overview Plan



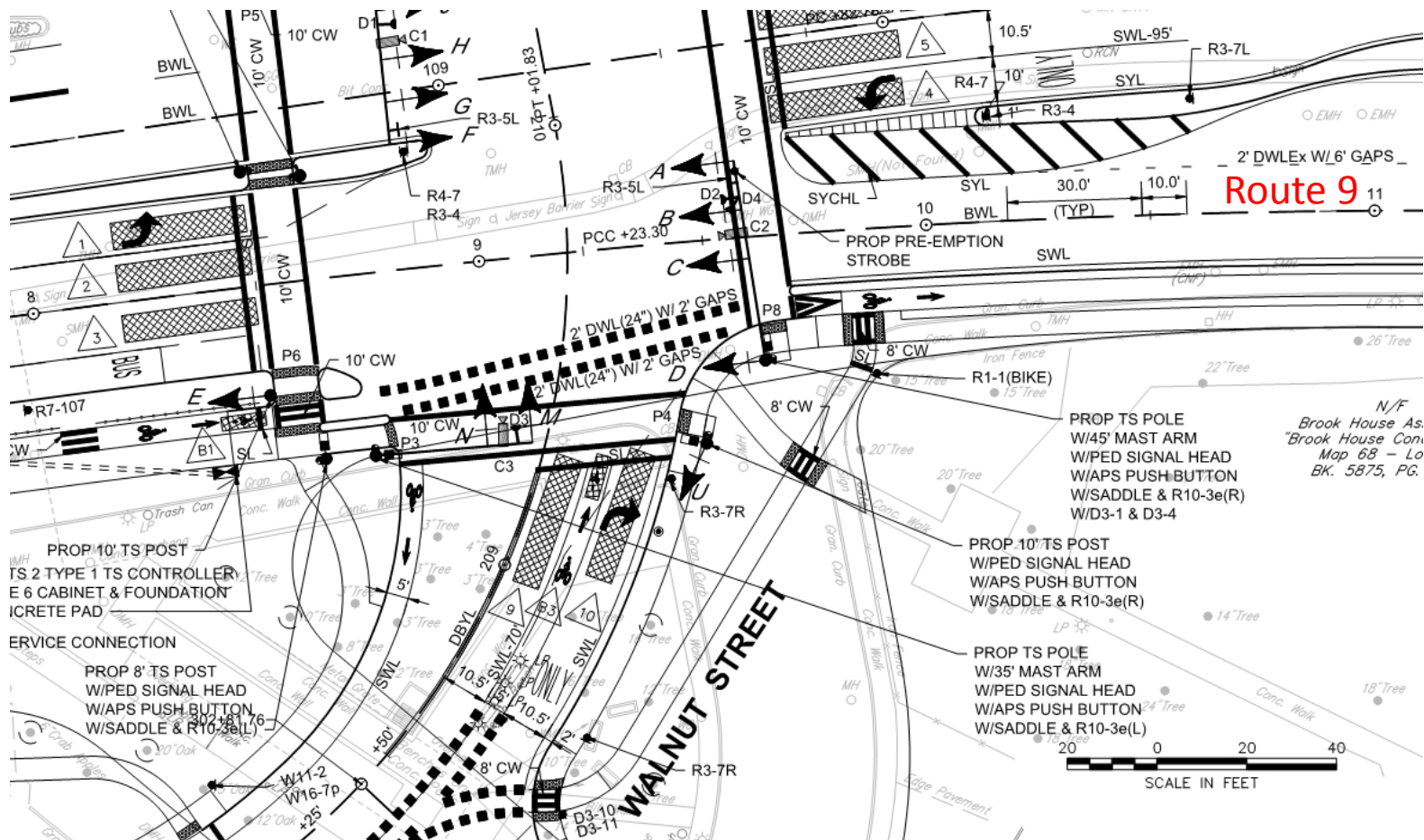
Washington Street – NB toward Village



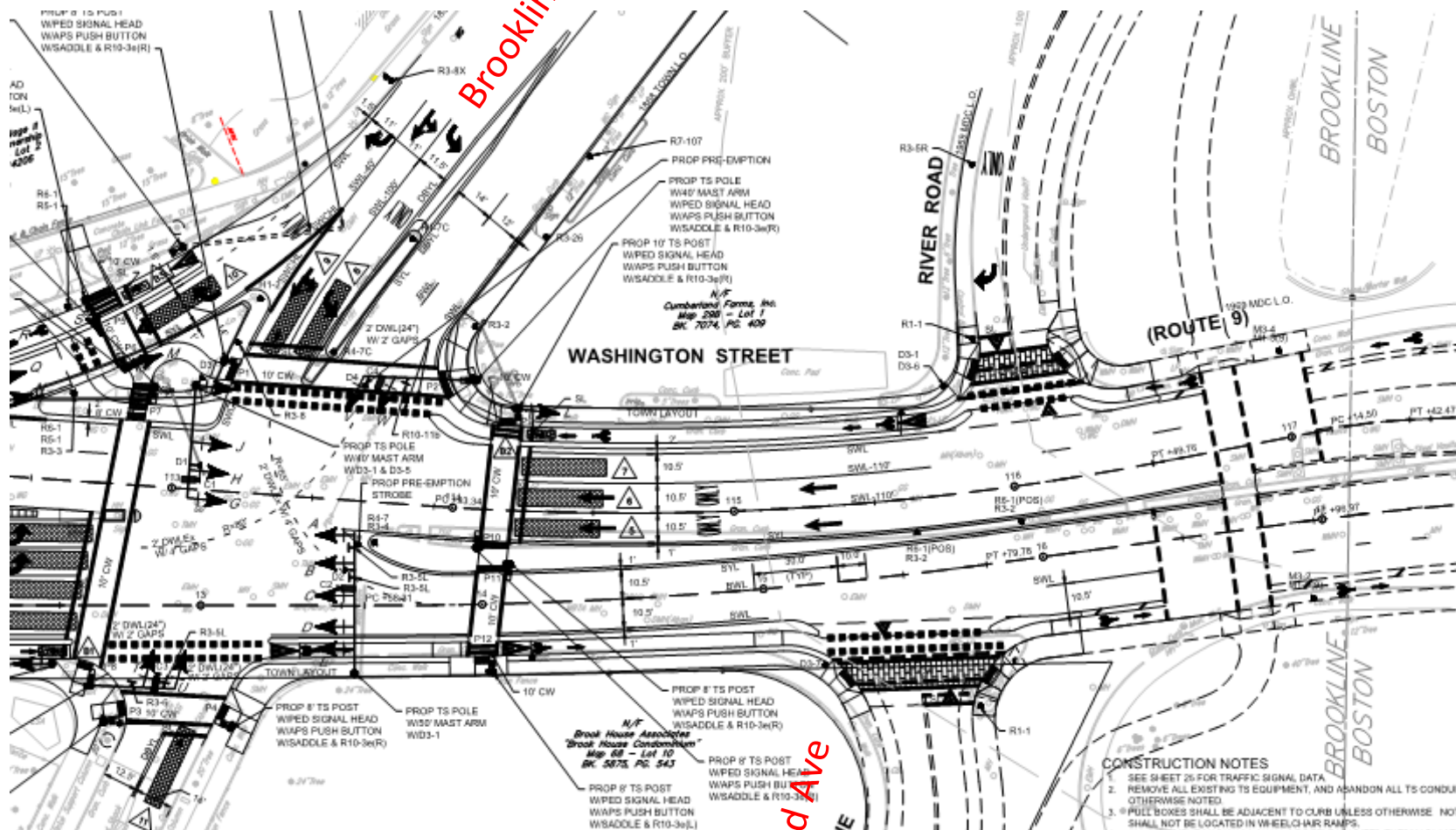
Walnut Street – Alignment



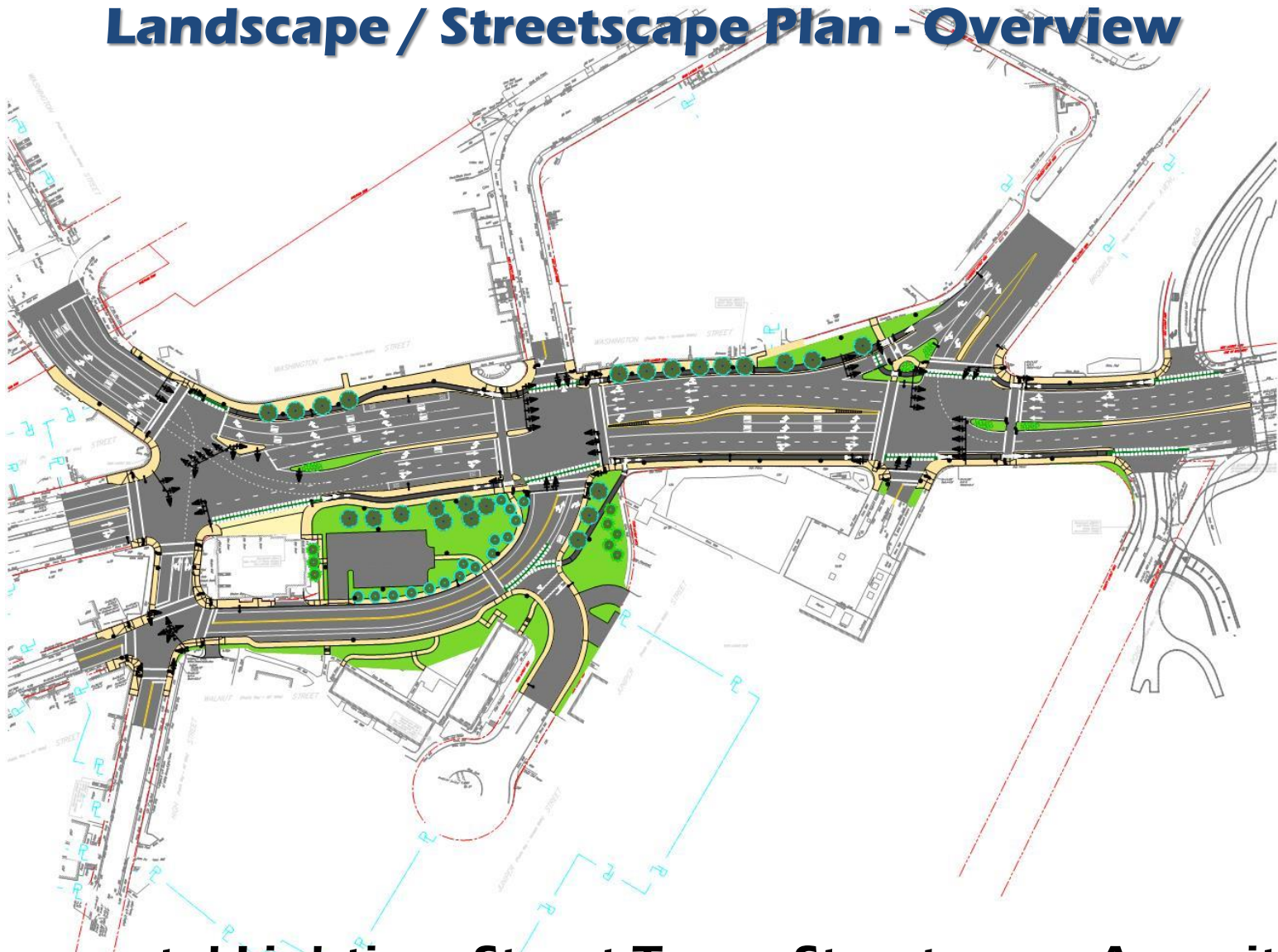
Route 9 / Walnut Street – Off Road SBL



Route 9 / Brookline Ave / River Road



Landscape / Streetscape Plan - Overview



Ornamental Lighting, Street Trees, Streetscape Amenities

Landscape / Streetscape Plan – Walnut Street Area



Landscape / Streetscape Plan – Pearl Street to Brookline Avenue

